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B. Webb  
3/16/01

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of

HAYASHIZAKI

Application No.: 09/269,573

Filed: July 16, 1999

For: METHODS FOR DETECTING  
MUTATION IN BASE SEQUENCE



Group Art Unit: 1655

Examiner: B. Forman

PRELIMINARY AMENDMENT

Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

In complete response to the Official Action mailed July 11, 2000, please amend the above-cited application as follows:

**IN THE CLAIMS**

Please add the following new claims:

32. (New) A method for detecting nucleic acid and/or PNA having a mutation, comprising the steps of:
- (A) providing
    - at least one polynucleotide fixed on a substrate, wherein said polynucleotide has all of the sequence of full-length gene;
    - a sample comprising at least one fragment of which mutation is to be assayed, wherein said fragment is selected from the group consisting of one or more nucleic acid fragments and one or more PNA fragments; and
    - a labeled substance, wherein said substance specifically binds to a mismatched base pair resulting from hybridization between a polynucleotide and a fragment comprising a mutation;
  - (B) hybridizing said fragment to said polynucleotide;

(09/99)